

Fig. 4

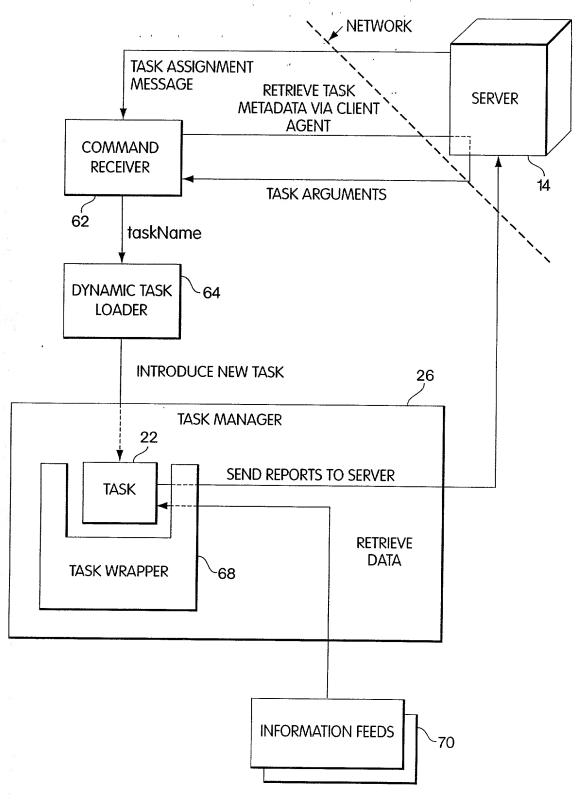


Fig. 5

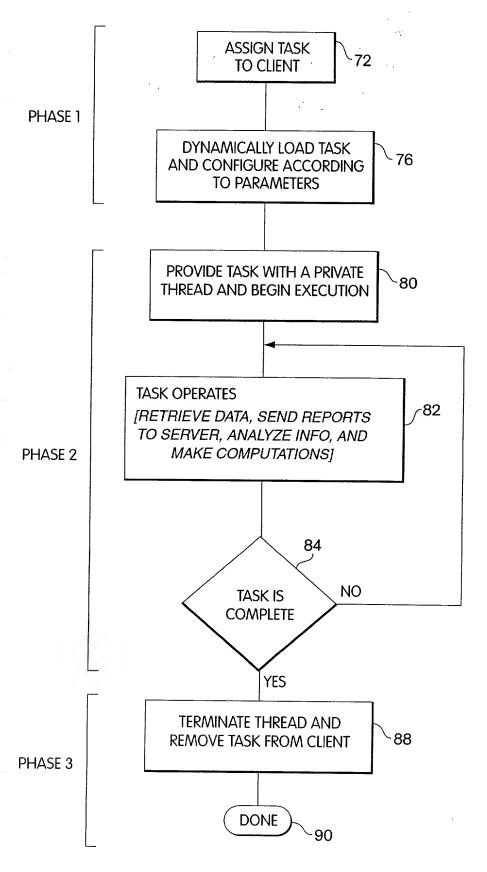
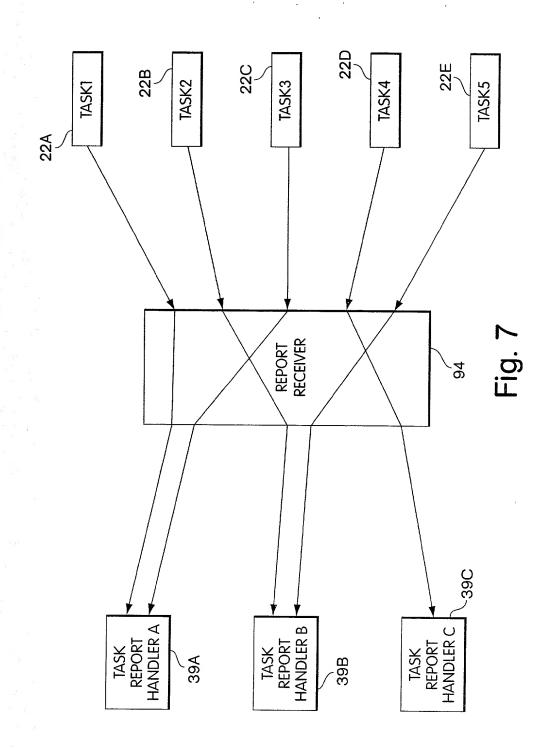


Fig. 6



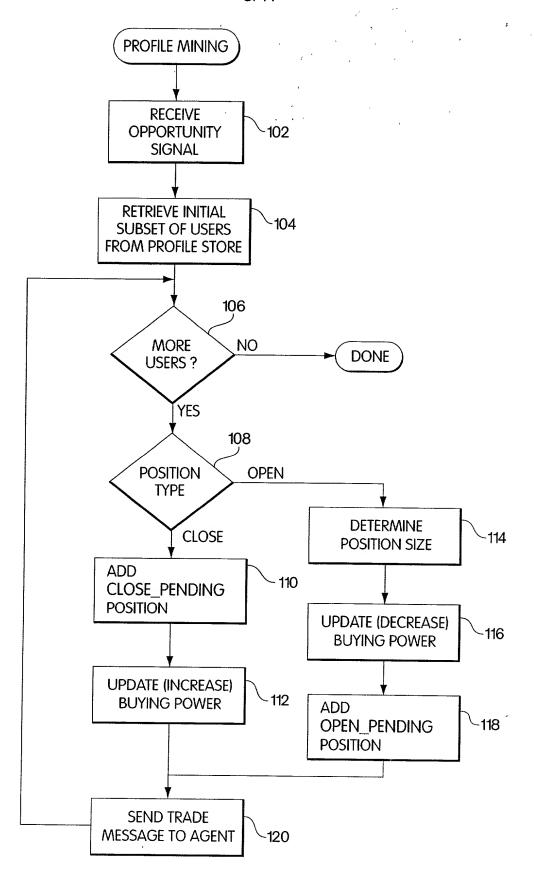


Fig. 8

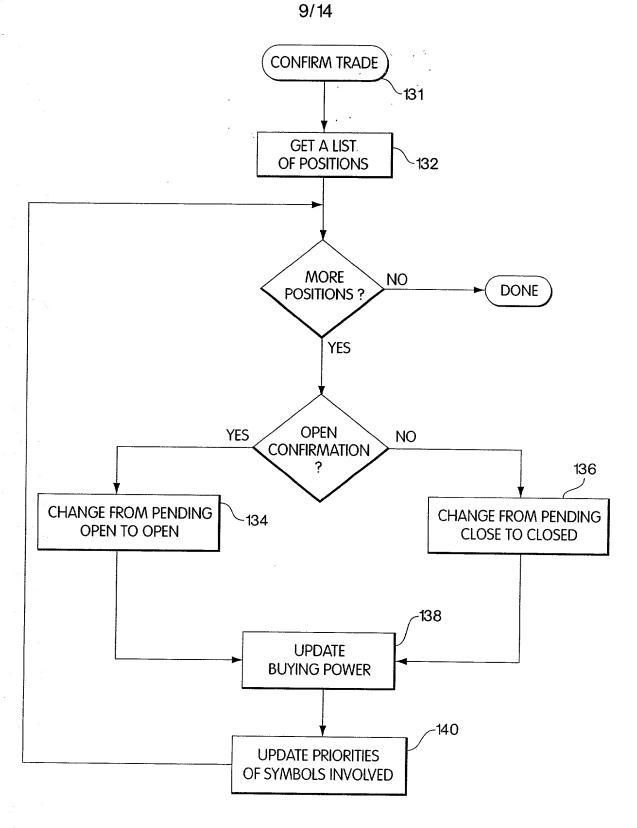


Fig. 9

TRADE MESSAGE

ACTION
SYMBOL
QUANTITY
LIMIT PRICE
TRADING MODULE ID
ACCOUNT INFORMATION

CONFIRMATION CODE ACTUAL PRICE TIMESTAMP

Fig. 10

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Investment Profile for <Sample User>

This information is used to customize trading strategies to your needs.

Trade Parameters

Amount Per Trade (\$):

Shares Per Trade:

Price Per Share (\$):

Low end of range	High end of range
Low end of range	High end of range
Low end of range	High end of range

Equity Parameters

Volatility

Lowest

Low

Medium

High Highest

All

Company Size

Volume

Smallest Small

Medium

Large Largest

All

Lowest

Low

Medium

High Highest

All

Preferred Indices

DJIA

S&P500

NASDAQ100

SAVE

CANCEL

Fig. 11

```
/**
  * Wrapper class to pass arguments to a task instance on the client.
  */
public class TaskArguments implements java.io.Serializable {
  /**
  * Unique name designating which class this task corresponds to.
  */
public String taskName;

/**
  * Execution parameters passed to a task when it is instantiated.
  * This usually takes the form of a Hash Table of objects. The structure
  * is flexible to allow different numbers and sizes of
  * parameter to be passed to particular tasks.
  */
  public byte[] argByteArray;
}
```

Fig. 12A

```
/**
   * A collection of services that a task can utilize during its exectution on the
   * client. In order to maintain a high level of modularity, task communication
   * with either the client or server must occur through the methods of this
   * interface.
  public interface TaskServiceProvider extends Serializable {
   /**
    * Transmits a report to the server on the wrapped task's request.
    * @param reportText the report to be sent
  public void issueReport( String reportText );
   * Transmits a request for points to the server on the wrapped task's
request.
  public void requestPoints();
   * Creates and installs a NewsDocReceiver for this task with the specified
feed.
   * @param
             task
                        the concerned task
   * @param
             feedKey
                        describes the feed to use
  public NewsDocReceiver installNewsDocReceiver( String feedKey );
  //Following are service request that tasks need during execution
  [[]]]]]]]]]][]]]]]]]]]]]]]]]]]]]]]]]
  public Vector getQuotes(Vector symbols) throws SB Exception;
  public void linkToDataFeed(Observer o, Vector symbols);
  public void unLinkFromDataFeed(Observer o, Vector symbols);
  public Vector getNASDAQTopVolumeLeaders(int num) throws SB Exception;
  public Vector getNYSETopVolumeLeaders(int num) throws SB Exception;
 public Vector getAMEXTopVolumeLeaders(int num) throws SB Exception;
 public Vector getNASDAQTopPercentageLeaders(int num) throws SB Exception;
 public Vector getNYSETopPercentageLeaders(int num) throws SB Exception;
 public Vector getAMEXTopPercentageLeaders(int num) throws SB Exception;
 public Vector getHistoricalData(String symbol, Calendar startDay, Calendar
endDay) throws SB Exception;
 public boolean checkIfMarketsOpen() throws SB Exception;
```

Fig. 12B

```
/**
 * Provides access to the thread wait and notify methods. This is used when an
 * object that is not the thread owner is running and wants wait/notify control
 * over its thread.
 */
public interface remoteThreadMonitor {
    /**
    * Remote equivalent of Object.wait() .
    */
    public void remoteWait();
    /**
    * Remote equivalent of Object.notifyAll() .
    */
    public void remoteNotifyAll();
}
```

Fig. 12C